

A. Permit Certificate

**MUNICIPAL
WASTEWATER REUSE PERMIT
LA-000088-03**

The Department of Correction, LOCATED AT **13400 S. Pleasant Valley Rd., Kuna, Idaho 83634** AND IN **Ada County, Township T2N, Range R2E, Sections 21, 27, and 28** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER REUSE SYSTEM IN ACCORDANCE WITH THE WASTEWATER REUSE RULES (IDAPA 58.01.17) AND WASTEWATER RULES (IDAPA 58.01.16), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT, APPENDICES, AND REFERENCE DOCUMENTS. THIS PERMIT IS APPLICABLE TO **The Correctional Facilities Complex consisting of the following institutions: ISCI, Idaho State Correctional Institution; IMSI, Idaho Maximum Security Institution; SICI, Southern Idaho Correctional Institution; and SBWCC, South Boise Women's Correctional Center.** THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **[60 months from final issuance date]**.

Pete Wagner
Boise Regional Office Administrator
Idaho Department of Environmental Quality

DRAFT

Date

**DEPARTMENT OF ENVIRONMENTAL QUALITY
Boise Regional Office
1445 North Orchard
Boise, Idaho 83709-2239
(208) 373-0550**

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Attachments

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Appendices

1. Environmental Monitoring Serial Numbers
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References

1. Plan of Operation (Operation and Maintenance Manual)

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater Reuse Permit LA-000088-03 and are enforceable as such. This permit does not relieve Idaho Department of Correction, hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

| | |
|-----------------------|---|
| Ac-in | Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons. |
| BMP or BMPs | Best Management Practices |
| COD | Chemical Oxygen Demand |
| DEQ or the Department | Idaho Department of Environmental Quality |
| Director | Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator |
| ET | Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration) |
| GS | Growing Season – Typically April 01 through October 31 (214 days) |
| GW | Ground Water |
| GWQR | IDAPA 58.01.11 “Ground Water Quality Rule” |
| Guidance | Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater |
| HLRgs | Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions. |
| HMU | Hydraulic Management Unit (Serial Number designation is MU) |
| IWR | <p>Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop:</p> $IWR = IR / E_i = (CU - P_e) / E_i \text{ Where:}$ <p>IR = net irrigation requirement = $CU - P_e$ CU = consumptive use (<u>crop evapotranspiration</u>) for a given crop in a given climatic area P_e = effective precipitation. E_i = irrigation system efficiency.</p> |
| IDAPA | Idaho Administrative Procedures Act. |
| LG | Lagoon |
| lb/ac-day | Pounds (of constituent) per acre per day |
| MG | Million Gallons (1 MG = 36.827 acre-inches) |
| MGA | Million Gallons Annually (per WLAP Reporting Year) |
| NGS | Non-Growing Season – Typically November 01 through March 31 (151 days) |
| NVDS | Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids) |
| O&M manual | Operation and Maintenance Manual, also referred to as the Plan of Operation |
| SAR | Sodium Absorption Ratio |
| SI | Supplemental Irrigation water applied to the land application treatment site. |
| Soil AWC | Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer) |
| SMU | Soil Monitoring Unit (Serial Number designation is SU) |
| SW | Surface Water |
| TDS | Total Dissolved Solids or Total Filterable Residue |
| Typical Crop Uptake | Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used. |
| Reporting Year | The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2006 Reporting Year would be November 01, 2005 through October 31, 2006. |
| WW | Wastewater applied to the land application treatment site |

D. Facility Information

| | |
|---|--|
| Legal Name of Permittee | Idaho Department of Correction |
| Type of Wastewater | Class D Municipal Wastewater |
| Method of Treatment | Lagoon (anaerobic/aerobic) treatment, chlorine contact chamber, and slow-rate land application |
| Type of Facility | Municipal Wastewater |
| Facility Location | 13400 S. Pleasant Valley Road, Kuna, Idaho 83634 |
| Legal Location | Township T2N, Range R2E, Sections 21, 27, 28, and 34 |
| County | Ada |
| USGS Quad | Owyhee |
| Soils on Site | Valley Site- Bissell loam (0-2 percent slopes) and Tenmile very gravelly loam (12-30 percent slopes). East Site- Silt loam (0-7 inches), cobbly silt loam (0-7 inches), and silty clay loam (7-22 inches). |
| Depth to Ground Water | Valley Site- Depth to first water: ~ 5 to 10 feet Depth to second water: ~ 160 feet Depth to regional aquifer:~ 500 feet East Site- Depth to first water: ~ 160 feet Depth to regional aquifer: ~400 to 500 feet |
| Beneficial Uses of Ground Water | Agriculture, domestic |
| Nearest Surface Water | Valley Site- Ten Mile Creek runs adjacent to site East Site- Ten Mile Creek runs approximately 1 mile to the north |
| Beneficial Uses of Surface Water | Agriculture |
| Facility Contact Mailing Address Phone / Fax | Mr. John Coutu Maintenance and Operations Supervisor Idaho State Correctional Institution P.O. Box 14 Boise, Idaho 83707 208-424-3717 / 208-334-2758 |
| Responsible Official Mailing Address Phone / Fax | Mr. Charles Kinhead Administrative Support Manager 1299 N. Orchard, Ste. 110 Boise, Idaho 83706 208-658-2036 / 208-327-7455 |

E. Compliance Schedule for Required Activities

The *Activities* in the following table shall be completed on or before the *Completion Date* unless modified by the Department in writing.

| Compliance Activity Number Completion Date | Compliance Activity Description |
|--|--|
| CA-088-01 Updated Plan of Operation Six (6) Months after Permit Issuance | An updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater reuse facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The Plan of Operation shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to assess the adequacy of wastewater treatment facility operation. The Plan of Operation shall contain at a minimum all of the information in the latest revision of the Plan of Operation Checklist. The Plan of Operation shall also include a Quality Assurance Project Plan (QAPP) for monitoring required in this permit. The plan shall cover field activities, including cropping and harvesting plans and agreements with the contracting farmer; laboratory analytical methods and other activities; data verification and validation; data storage, retrieval and assessment; and monitoring program evaluation and improvement. |
| CA-088-02 Seepage Testing Eight (8) Months after Permit Issuance to submit the Seepage Testing Plan Forty Eight (48) Months after Permit Issuance complete seepage testing of all required structures | <p>Submit a seepage testing plan that defines the approach and testing procedures to conduct seepage testing in accordance with methods approved by DEQ on all wastewater storage structures.</p> <p>Upon approval of the plan, conduct the seepage testing of the structures in the approved plan and submit test results to DEQ. The seepage performance standard is 0.125 inches per day. If a properly tested lagoon leaks more than 0.125 inches per day, the permittee shall either 1) submit, for DEQ approval, a plan and schedule to either retest, repair, replace or decommission structures not meeting this standard or 2) develop a plan based on ground water sampling and analyses and/or modeling to determine the effect of the lagoon leakage on the local ground water. If actual or predicted impacts do not comply with IDAPA 58.01.11 as determined by DEQ, the permittee shall comply with 1) above.</p> |
| CA-088-03 Disinfection Management Plan Six (6) Months after Permit Issuance | <p>Submit a Disinfection Management Plan that defines the approach the facility will take to meet and/or exceed the permit standard of disinfection (See Section F) either by more efficient management and utilization of the current system or, if necessary, improvement to the system itself.</p> <p>If it is determined that improvements to the system are necessary to meet the required disinfection standard, these improvements are to be completed within nine (9) months of permit issuance.</p> |
| CA-088-04 Permit Renewal Application Six (6) Months prior to Permit Expiration | Submit an application for renewal of the wastewater reuse permit. |

F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|---|---|
| Type of Wastewater | Class D Municipal Wastewater |
| Application Site Area | All Hydraulic Management Unit Designations listed as Active in Appendix 1. |
| Application Season | Growing Season, March 15 through October 31 |
| Reporting Year for Annual Loading Rates | November 1 through October 31 |
| Certified Operator Requirement | <p>The permittee shall comply with the Operator Certification requirements specified in Wastewater Rules (IDAPA 58.01.16):</p> <ol style="list-style-type: none"> 1. The system shall be operated and managed by personnel certified and licensed in the State of Idaho wastewater operator-training program as specified in IDAPA 58.01.16, Section 203 and properly trained to operate and maintain the system; and 2. The wastewater operator class level shall be at, or above the class determined by IDAPA 58.01.16, Section 203. <p>In addition, the certified operator shall obtain the land application operator endorsement within one year of when the initial examination for the endorsement is available.</p> |
| Growing Season Hydraulic Loading Rate, each HMU (Applies to wastewater and supplemental irrigation water). | Growing Season (GS) Hydraulic Loading Rate shall be substantially equal to the Irrigation Water Requirement (IWR) throughout the growing season, with a maximum annual hydraulic loading of 100.8 million gallons or 53.04 in/ac-yr at the Valley Site and 108.0 million gallons or 53.04 in/ac-yr at the East Site. |
| Livestock Grazing | No livestock grazing allowed |
| Ground Water Quality | Wastewater land application activities conducted by the permit shall not cause a violation of the <i>Ground Water Quality Rule</i> (GWQR), IDAPA 58.01.11 as now existing or later amended. |
| Maximum COD Loading Rate, seasonal average in pounds/acre-day, each HMU | 50 pounds / acre-day seasonal average for growing season. |
| Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU (from all sources including waste solids and supplemental fertilizers) | 150% of typical crop uptake (see Section C definitions) |

F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|--|--|
| Runoff/Wellhead Protection Requirements | <p>No runoff is allowed from any site or field used for wastewater reuse to any property not owned by the permittee except after a 25-year, 24-hour storm event or greater, using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 “Isopluvials of a 25-YR, 24-HR Precipitation”.</p> <p>To prevent runoff from the site, Best Management Practices (BMPs) shall be used around all areas where runoff may potentially occur.</p> <p>Berms and other BMPs shall be used to protect the wellhead of on-site wells. New BMPs shall be reviewed and approved by DEQ prior to implementation.</p> |
| Odor Management | The wastewater treatment and land application facilities shall not create a public health hazard or nuisance conditions, including odors. |
| Construction Plans | Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be submitted for review and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for DEQ review and approval. |
| Buffer Zones and Disinfection Requirements | <p>All buffer zones must comply with, at a minimum, local zoning ordinances. Other minimum buffer zones are as follows:</p> <ul style="list-style-type: none"> - 1000 ft from reuse site and public water supply wells* - 1000 ft from reuse site and inhabited dwellings - 500 ft from reuse site and private potable supply wells - 500 ft from reuse site and areas of public access - 100 ft from reuse site and permanent or intermittent surface water - 50 ft from reuse site and irrigation ditches/canals <p>* With the exception of ISCI Well No. 4 which has a previously approved reduced buffer distance of 500 ft.</p> <p>These buffer zone distances shall be maintained unless a Department approved well location acceptability analysis indicates an alternative buffer zone is acceptable.</p> <p>Class D effluent shall be considered adequately disinfected if, at some location in the treatment process, the median number of total coliform organisms does not exceed 230 cfu/100 mL, not to exceed 2,300 cfu/100 mL in any confirmed sample, as determined from the bacteriological results of the last 3 days for which analyses have been completed (IDAPA 58.01.17.600.d).</p> |
| Supplemental Irrigation Water Protection | For systems with wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required. |

F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|---------------------|--|
| Fencing and Posting | Three wire pasture fence and signs which read 'Sewage Effluent Application- Keep Out' or equivalent are to be posted every 500 feet and at each corner of the outer perimeter of the buffer zone(s) of the site. |
| Allowable Crops | Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed. |

G. Monitoring Requirements

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

1. Appropriate analytical methods, as given in the *Idaho Guidance for Reclamation and Reuse of Municipal and Industrial Wastewater*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the facility's Quality Assurance Project Plan (QAPP), which shall be part of the Operation and Maintenance Manual.
2. The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.
3. Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.
4. Unless otherwise agreed to in writing by DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Wastewater monitoring is required at the frequency show in the table below if wastewater is applied anytime during the time period shown.
5. Ten (10) soil sample locations shall be selected for each Soil Monitoring Unit (SMU) with greater than fifteen acres and Five (5) soil sample locations shall be selected for each SMU with fifteen acres or less. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches, or refusal. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each SMU.
6. Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.
7. Surface water sampling guidance: DEQ to review and approve methods, timing and locations for sampling prior to initial sampling event.
8. Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.
9. Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers".

Facility Monitoring Table

| Frequency | Monitoring Point | Description/Type of Monitoring | Parameters |
|-----------|------------------|---|---|
| Daily | Flow meter | Flow of wastewater to land application at each site (Valley and East) | Volume (million gallons and acre-inches) to each hydraulic management unit (HMU), record daily, compile monthly |

G. Monitoring Requirements

| Frequency | Monitoring Point | Description/Type of Monitoring | Parameters |
|--------------------------------------|---|--|--|
| Daily | Flow meter or Calibrated Pump Rate | Supplemental Irrigation Water | Volume (million gallons and acre-inches) to each HMU, record daily, compile monthly |
| Monthly | Each wastewater sampling point, listed in Appendix 1 | Grab Sample of disinfected wastewater | Total Coliform, Chlorine Residual, Chemical Oxygen Demand, Total Kjeldahl Nitrogen, Ammonia Nitrogen, Nitrate Nitrogen, Total Phosphorus, Total Dissolved Solids, Volatile Dissolved Solids |
| Quarterly – Jan, April, July and Oct | Each Ground Water monitoring well, listed in Appendix 1 | Ground Water – See Note 6, above table | Water Table Elevation, Water Table Depth, Nitrate-Nitrogen, Total Dissolved Solids, Total Iron, Total Manganese, Dissolved Iron ¹ , Dissolved Manganese ¹ , pH, Conductivity, and Temperature. |
| Semiannually – March and Nov | Each SMU, listed in Appendix 1 | Soil – See note 5, above table | Electrical Conductivity, Sodium Absorption Ratio, Nitrate-Nitrogen, Ammonium Nitrogen, Plant Available Phosphorus, pH Note: Conduct SAR analyses April 2008 and 2012 only. |
| Annually | Each ACTIVE HMU | Calculate GS wastewater hydraulic loading rate | Million gallons/HMU and Inches/acre for each HMU, for each month of application |
| | | Calculate GS supplemental irrigation hydraulic loading | Million gallons/HMU and Inches/acre for each HMU, for each month of application |
| | | Calculate Season-Specific Irrigation Water Requirement for comparison with GS hydraulic loading. | Inches/acre-month for each crop type |
| | | Acres used for land application of treated wastewater each year | Acres Note: In the event that only a portion of an HMU is used, submit site plan showing areas used within the HMU and quantify the acreage. |
| | | Calculate seasonal average COD loading rate for GS | Pounds/acre-day |

G. Monitoring Requirements

| Frequency | Monitoring Point | Description/Type of Monitoring | Parameters |
|---|---|---|---|
| Annually | Each ACTIVE HMU | Calculate wastewater nitrogen, phosphorus, and NVDS loading rates | Pounds/acre-year |
| | | Report nitrogen and phosphorus fertilizer application rates | Type and Pounds/acre-year |
| | | Calculate nitrogen and phosphorus application rates from waste solids | Pounds/acre-year |
| | | Crop type and yield | Pounds/acre and total pounds per HMU (specify moisture basis) |
| | | Plant tissue analysis: Composite sample of harvested portion | Nitrate-nitrogen, Total Kjeldahl Nitrogen, Total Phosphorus, ash (dry basis) |
| | | Calculate crop nitrogen, phosphorus, and ash removal | Pounds/acre and total pounds per HMU |
| Every two years, starting with first year of permit | All flow measurement locations | Flow measurement calibration of all flows to reuse areas. | Document the flow measurement calibration of all flow meters and pumps used directly or indirectly to measure all reclaimed wastewater and supplemental irrigation water flows applied to reuse areas. |
| Annually | All supplemental irrigation pumps directly connected to the wastewater distribution system. | Backflow testing | Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly. |

1. Analytical results are required for dissolved iron and/or manganese only if the results for total iron and/or manganese exceed the standards in IDAPA 58.01.11.200.01.b.

H. Standard Reporting Requirements

1. The Permittee shall submit an Annual Wastewater Reuse Site Performance Report (“Annual Report”) prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.
2. The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.
3. The annual report shall be submitted to the Engineering Manager at the following address:

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-0550

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561
4. Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.
5. All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater Reuse Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.
2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site. Wastewater discharges to surface water that require a permit under the Clean Water Act must be authorized by the U.S. Environmental Protection Agency.
3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.16.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:
 - a. Apply wastewater as evenly as practicable to the treatment area;
 - b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
 - c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.
4. The permittee shall:
 - a. Manage the wastewater reuse treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
 - b. Not hydraulically overload any particular areas of the wastewater reuse treatment site.
5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.
6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Wastewater Reuse Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.
7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:
 - a. Enter the permitted facility,
 - b. Inspect any records that must be kept under the conditions of the permit.
 - c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
 - d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.
8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:
 - a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
 - b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
 - c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certificate Page
Emergency 24 Hour Number: 1-800-632-8000

I. Standard Permit Conditions: Procedures and Reporting

- d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:
 - i. A description of the non-compliance and its cause;
 - ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
 - iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.
 - e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.
9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.
10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.
2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.
3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.
4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.
5. Any person violating any provision of the Wastewater Reuse Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars (\$10,000) or one thousand dollars (\$1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.
6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Reuse Permit Regulations.
7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.
8. If, pursuant to Idaho Code, 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.
9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.
10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted reuse facility from service, including any treatment, storage, or other facilities or equipment associated with the reuse site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1

HYDRAULIC MANAGEMENT UNITS

| Current Serial Number | Description | Acres | Activity Status |
|-----------------------|--|-------|-----------------|
| MU-008801 | Valley Site, segments I, II, XI through XV | 34.1 | Active |
| MU-008802 | Valley Site, segments III through X | 35.9 | Active |
| MU-008803 | East Site, north field | 45 | Active |
| MU-008804 | East Site, south field | 30 | Active |

WASTEWATER SAMPLING POINTS

| Serial Number | Description |
|---------------|--|
| WW-008801 | Disinfected effluent at irrigation pump station, Valley Site |
| WW-008802 | Disinfected effluent at irrigation pump station, East Site |

SOIL MONITORING UNITS

| Current Serial Number | Description | Current Associated MU | Activity Status |
|-----------------------|--|-------------------------|-----------------|
| SU-008801 | Valley Site, segments I, II, XI through XV | MU-008801 | Active |
| SU-008802 | Valley Site, segments III through X | MU-008802 | Active |
| SU-008803 | East Site, North and South fields | MU-008803 and MU-008804 | Active |

GROUND WATER MONITORING

| Serial Number | Description | Activity Status |
|---------------|---|-----------------|
| GW-008801 | Ground water monitoring well MW-1 (up-gradient) | Active |
| GW-008802 | Ground water monitoring well MW-3 (down-gradient) | Active |

LAGOONS

| Serial Number | Description |
|---------------|---------------------------------------|
| LG-008801 | Cell 1- Treatment lagoon, East Site |
| LG-008802 | Cell 2- Treatment lagoon, East Site |
| LG-008803 | Cell 3- Treatment lagoon, East Site |
| LG-008804 | Storage Pond, East Site- 38.1 MG |
| LG-008805 | Storage Pond, Valley Site- 43.8 MG |
| LG- 008806 | Cell 1- Treatment lagoon, Valley Site |
| LG-008807 | Cell 2- Treatment lagoon, Valley Site |
| LG-008808 | Cell 3- Treatment lagoon, Valley Site |
| LG-008809 | Cell 4- Treatment lagoon, Valley Site |
| LG-008810 | Cell 5- Treatment lagoon, Valley Site |
| LG-008811 | Cell 6- Treatment lagoon, Valley Site |

Site Maps

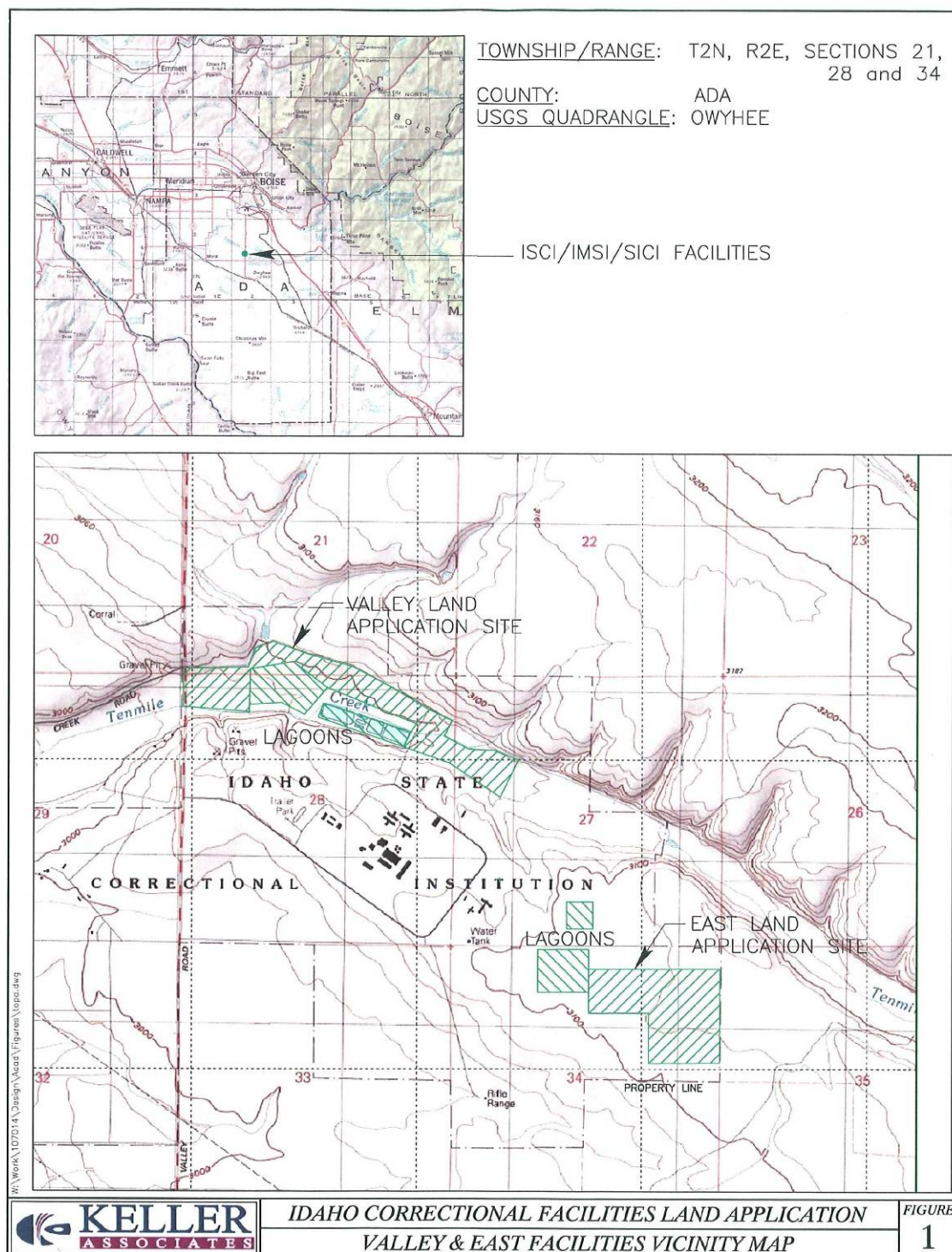


Figure 1. Valley and East Site Vicinity Map. Keller Associates, February 2007.

Appendix 2

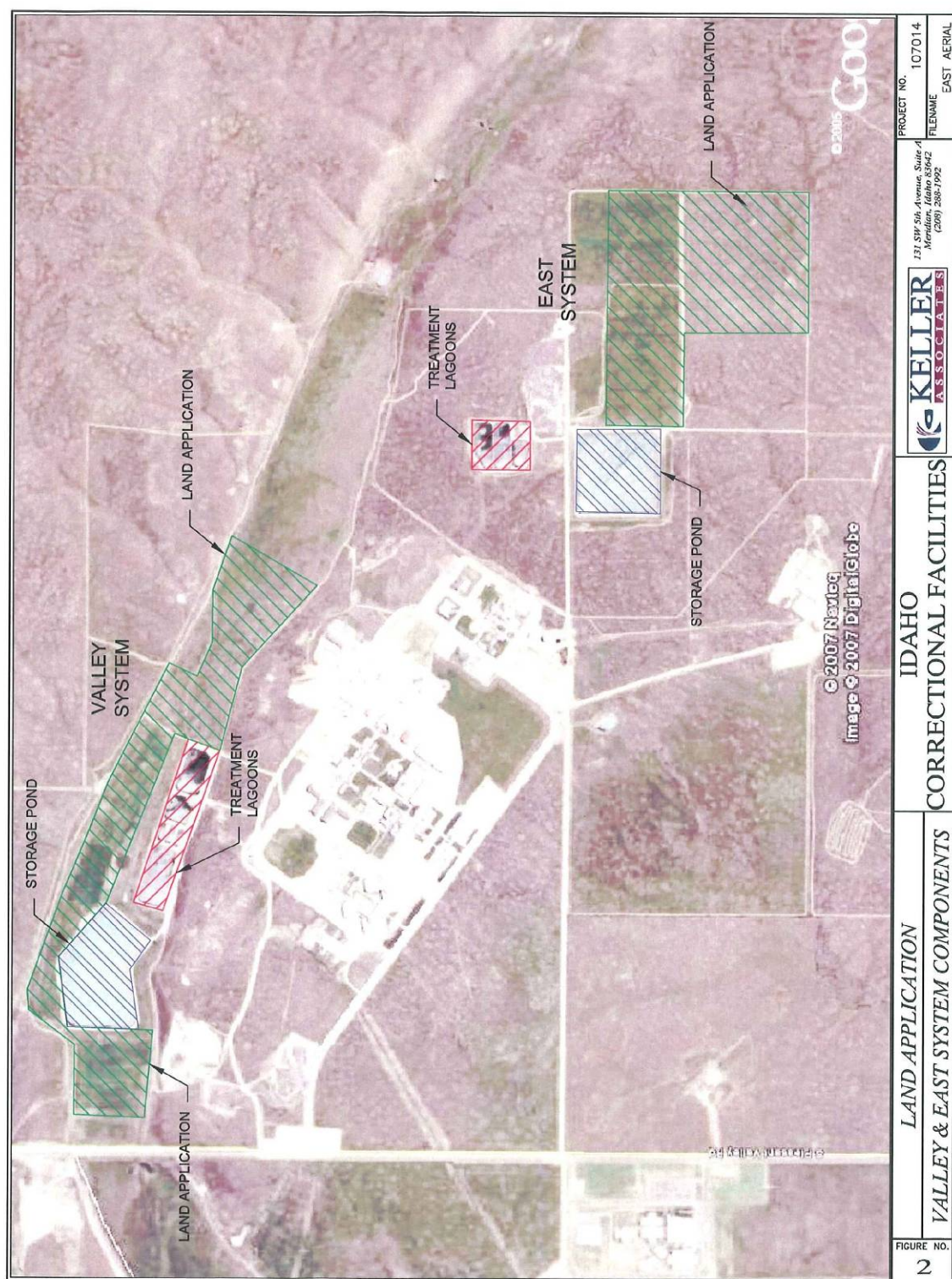


Figure 2. Valley and East System Components. Keller Associates, February 2007.

Appendix 2

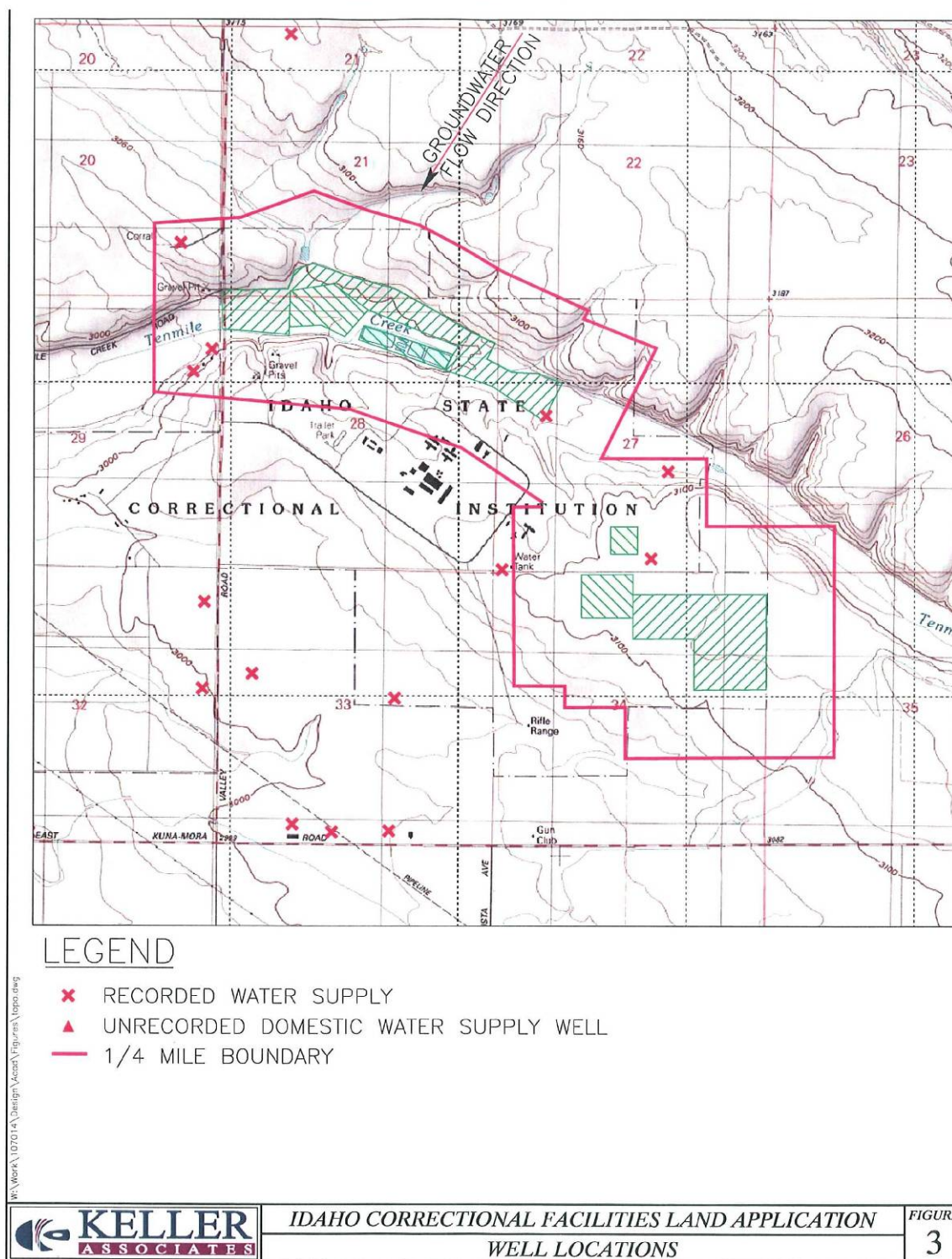


Figure 3. Municipal, Domestic, and Monitoring Wells. Keller Associates, February 2007.

Appendix 2

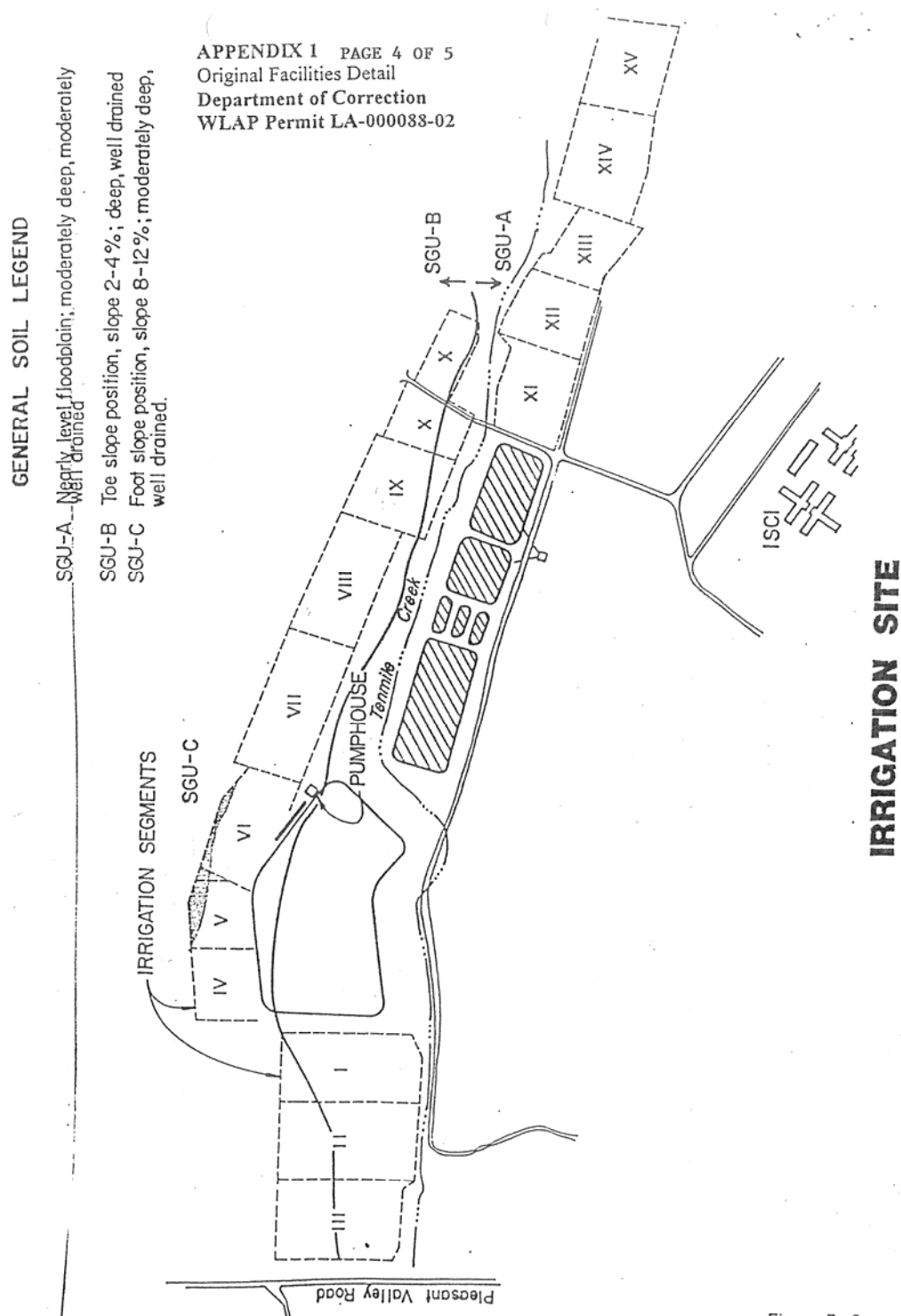


Figure 4. Hydraulic Management Units at Valley Site (Fields I, II, XI-XV are MU-008801 and Fields XI-XV are MU-008802).

Appendix 2

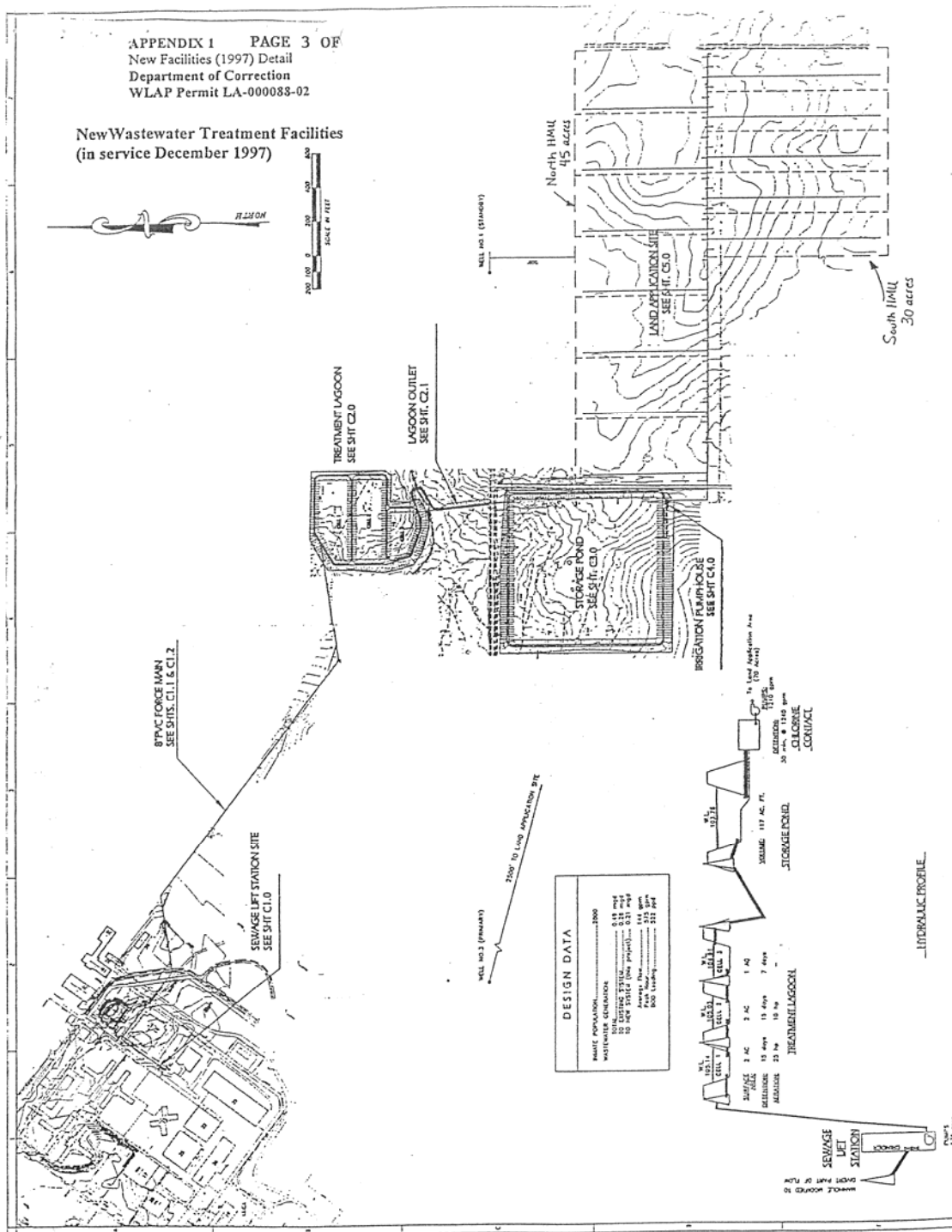


Figure 5. Hydraulic Management Units at East Site (North Field is MU-008803 and South Field is MU-008804).